

Result No.	Score	Query Match	Length	DB	ID	Description
1	233	9.2	1917	4	US-09-627-650B-5	Sequence 5, Appli
2	233	9.2	1917	4	US-09-436-063C-5	Sequence 5, Appli
3	217	8.5	2508	4	US-09-627-650B-7	Sequence 7, Appli
4	217	8.5	2508	4	US-09-436-063C-7	Sequence 7, Appli
5	217	8.5	2544	4	US-09-627-650B-3	Sequence 3, Appli
6	217	8.5	2544	4	US-09-436-063C-3	Sequence 3, Appli
7	217	8.5	2601	4	US-09-627-650B-9	Sequence 9, Appli
8	217	8.5	2601	4	US-09-436-063C-9	Sequence 9, Appli
9	215.5	8.5	1652	4	US-09-627-650B-1	Sequence 1, Appli
10	215.5	8.5	1652	4	US-09-436-063C-1	Sequence 1, Appli
11	207	8.1	1128	4	US-09-627-650B-11	Sequence 11, Appli
12	207	8.1	1128	4	US-09-436-063C-11	Sequence 11, Appli
13	200.5	7.9	1345	2	US-09-738-767-3	Sequence 3, Appli
14	199.5	7.9	2088	4	US-09-548-372D-13	Sequence 13, Appli
15	199.5	7.9	2088	4	US-09-548-367D-13	Sequence 13, Appli
16	187.5	7.4	801	1	US-07-906-349A-6	Sequence 6, Appli
17	186.5	7.3	1400	4	US-08-630-915A-37	Sequence 3, Appli
18	179.5	7.1	341	2	US-08-209-521-11	Sequence 11, Appli
19	175.5	6.9	2211	4	US-09-738-884-1	Sequence 1, Appli
20	175.5	6.9	3075	2	US-08-660-09-5	Sequence 5, Appli
21	175.5	6.9	3075	2	US-08-125-077-5	Sequence 5, Appli
22	166.5	6.6	969	2	US-08-284-941-2	Sequence 2, Appli
23	166.5	6.6	969	2	US-08-447-642-2	Sequence 2, Appli
24	166.5	6.6	969	4	US-09-236-003-2	Sequence 2, Appli
25	166.5	6.6	969	5	PCT-US93-02147A-2	Sequence 2, Appli
26	157	6.2	3111	2	US-08-460-309A-4	Sequence 4, Appli
27	157	6.2	3111	2	US-08-125-077-4	Sequence 4, Appli

Db 881 TACGTGTCGACGAGAAAGTCGGTG---TCCACCGAGCTTATG-AGTTGCCGCA 933
 QY 358 ANKQAVAT-----AGGT-ATLIAOCALE--PAGTVLTDGTSTYKQAASEC 403
 Db 934 GTTGACTCTAGTCATCAAGTCGTCAATCATACGCAAAGCTTACGAGGATA 993
 QY 404 VKCAANFYITKQTDWAGIDTCTSCNKLLTSGA 436
 Db 994 TTCCCGCCT--TTGCTGTCCTTCTATCAA 1023

RESULT 2
 US-09-436-063C-5
 ; Sequence 5, Application US/09436063C
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and Methods Related Thereto
 ; FILE REFERENCE: 21101.00903
 ; CURRENT APPLICATION NUMBER: US/09/627,650B
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIORITY NUMBER: 09/436,063
 ; PRIORITY FILING DATE: 1999-11-08
 ; PRIORITY APPLICATION NUMBER: 60/107,727
 ; PRIORITY FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 2508
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-627-650B-7

Query Match 8.5%; Score 217; DB 4; Length 2508;
 Best Local Similarity 26.4%; Pred. No. 3, 2-e-10;
 Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

Qy 20 SANCPYGTETNTAGQVDLGT PANCYNCQKNFYIYNNAAAFVPGASCTCPQPKKDAGAQP 79
 Db 403 TGGCAAGAACCCCTCGAC---TAGCCCTCGGAGATCTGATTTGGACCTTCAAAAGAAAT 458
 Qy 80 NPPTANLVTQNCVRC-PAGTATA---GGATDYAAITE---CYNCRINFYNN 126
 Db 459 CGACTCTACTAACGTCGGAGTAACTCTGGATAGACTCTGGATACTGGAAACCCGAC----- 510

Query Match 8.5%; Score 217; DB 4; Length 2508;
 Best Local Similarity 26.4%; Pred. No. 3, 2-e-10;
 Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

Qy 127 APNPNAGASTPACPVRRGAGTAAQCN---ACPTGTAADDGTTDVRSTF 184
 Db 511 ---ACGTTCTCCTCCAAATGAAAGAAATCATCTCTCCACTG-----GCA 552
 Qy 185 ECVKCRLNFYIYNNNGNTPFNGPKSQCTCPKPAIKPANVAQATLGNDATITQCN---V 239
 Db 553 ACCACAC-----APAACTCTGTCCTCTCGTA---TCAAGCTTCTCCACTG-----GCA 552
 Qy 240 ACPDTGTTSAAGYNNWQONT-ECTNCAPNFYNNNAPNPNSTC-----T 283
 Db 601 ACTAGTCAAAGATAAACGTCACTGCA-----CGTGTCCAAATGACCTGAAGC 649

Query Match 9.2%; Score 233; DB 4; Length 1917;
 Best Local Similarity 25.4%; Pred. No. 8.9-e-12;
 Matches 115; Conservative 10; Mismatches 238; Indels 90; Gaps 18;

Qy 23 CPVGTTNTACQVDDGTPANCVNCQNKFYIYNNAAAFVPGA-----STCTCPQ 71
 Db 622 CTCACTACCGTCGGAGTAGACTACCTGGTAGACTGTGGAAACCCGACAGTCTTCC 681
 Qy 72 KKDGAQNPPTANLVTQCNVKCPAGTAAITGGATDYAAITTECVNCRINFYNNPNNF 131
 Db 682 AAATGAAA-AGAAATCATCTTCACCTT-GGCACACCACACATAAC-----T 725

Query Match 9.2%; Score 233; DB 4; Length 1917;
 Best Local Similarity 25.4%; Pred. No. 8.9-e-12;
 Matches 115; Conservative 10; Mismatches 238; Indels 90; Gaps 18;

Qy 132 AGASTCTACPYNVRGGAGTAAQCN---VACTGTAAIDGTYTDYRSFETC 186
 Db 726 CGTTCCCTCGTATCGAG---GGTGTGAAAGGGTTATACAGTAAAGATTAACAGTCAC 783
 Qy 187 VKCRLNFYIYNNNGNTPFNGPKSQCTCPKPAIKPANVAQATLGNDATIT-AQC----NVA 240
 Db 784 TGCAA----CGDTTSAAGYNNWQONTCTNCAPNFYNNNAPNPNMSTCPLCPANKDGAETAGC 300
 Qy 241 CPDGTTSAAGYNNWQONTCTNCAPNFYNNNAPNPNMSTCPLCPANKDGAETAGC 300
 Db 839 CTGGAAATTGAAAGCTACGGTACAGCTACA-----GTTACCCCTCGA-----CATTATG 880

Query Match 9.2%; Score 233; DB 4; Length 1917;
 Best Local Similarity 25.4%; Pred. No. 8.9-e-12;
 Matches 115; Conservative 10; Mismatches 238; Indels 90; Gaps 18;

Qy 301 AATLAKOQNIACPDGTAAIS---ATNNVYIQLQTECLINANFYFGNNPAGSSICKACP 357
 Db 881 TACGTGTCGACGAGAAAGTCGGTG---TCCACCGAGTCTATG-AGTGGCCGA 933
 QY 358 ANKVQGAVAT-----AGGT-ATLIAOCALE--PAGTVLTDGTSTYKQAASEC 403
 Db 934 GTTGACTCTAGTCAGTCTATCAAGTCCTCAATCATAGCAAAGCTTACGAGGATA 993
 QY 404 VKCAANFYITKQTDWAGIDTCTSCNKLLTSGA 436
 Db 994 TTCCCGCCT--TTGCTGTCCTCTATCAA 1023

RESULT 4
 US-09-436-063C-7
 ; Sequence 7, Application US/09436063C
 ; Patent No. 6407210
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; TITLE OF INVENTION: Nematode Neuromuscular Junction GABA Receptors and Methods Related Thereto
 ; FILE REFERENCE: P-105Corrected
 ; CURRENT APPLICATION NUMBER: US/09/436,063C
 ; CURRENT FILING DATE: 1999-11-08
 ; PRIORITY APPLICATION NUMBER: 60/107727
 ; PRIORITY FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 18

RESULT 3
 US-09-627-650B-7
 ; Sequence 7, Application US/09627650B

Qy 240 ACPDGTTISAGVNINWQAQNT- ECTNCAPNFYNNNAPNFPGNSTC----- 283
 Db 601 ACTAGTCAAAAGATTAAACACTACIGCAA----- CGTGTCCAAATGGACTGTAGAGC 649

Qy 284 -----LPCPANKDYG- AEATAGGAAT- LAKOQNACPDGTAAISAGTN 324
 Db 650 TGTCCCAATGGACTCTCAACACTGTAACACTGAAATGAAAGCT-ACGGTACAGACG 708

Qy 325 YVILQT---ECLNCAANFYFDGNNQAGSSRC- KACPANKYQAVATAGGTAT- LIAQC 378
 Db 709 AAAGATATCAGACTAT- TGGGGAAAGAGCCAC-----TGATTTGGAGATAACGGC 761

Qy 379 ALECPAGTVLTDGT- STYKQAASECVKCAANFYTTKQIDWVAGIDTCTSC 428
 Db 762 TGTCAGT- TGTCAGT-----TGCCGAGTTACGC 799

RESULT 7
 / Sequence 9, Application US/09627650B-9
 / Patent No. 6466872
 / GENERAL INFORMATION:
 / APPLICANT: Bamber, Bruce
 / APPLICANT: Jorgensen, Erik
 / TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and
 / FILE REFERENCE: 21101.000913
 / CURRENT APPLICATION NUMBER: US/09/627,650B
 / PRIOR APPLICATION NUMBER: 09/436,063
 / PRIOR FILING DATE: 1998-11-08
 / PRIOR APPLICATION NUMBER: 09/107,727
 / PRIOR FILING DATE: 1998-11-09
 / NUMBER OF SEQ ID NOS: 50
 / SOFTWARE: PatentIn Ver. 2.1
 / SEQ ID NO: 9
 / LENGTH: 2601
 / TYPE: PRT
 / ORGANISM: Caenorhabditis elegans
 US-09-497-967-7.rail

Query Match 8.58; Score 217; DB 4; Length 2601;
 Best Local Similarity 26.48; Pred. No. 3.4e-10;
 Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

Qy 20 SANCPVGTETNTAGQVDDLGTPANCVNQCNKFYNNNAAFPVGASITCPBOKKDAQOP 79
 Db 403 TGGCAAGAACCCCTCGAC----TAGCCCTTGGAAAGTCITGATTTGGGACTTCCAAGAAAT 458

Qy 80 NPATANLVTQCNVKC- PAGTATA-----GGATDVAITIE-----CVNCRINFYNN 126
 Db 459 CGACTCACTTACCGTCGGAGTAGACTGTGAGACTCTGGATACTGGATAGACTGTGAGAC----- 510

Qy 127 APNFNAGASTCTACPVNRYGGALTAGNRAATIVAQCNV-----ACPTGTAIDDGVTTDYVRSFT 184
 Db 511 -----ACGTTCTTCCTCAAATGAAAAGAAATCATTCCTCCACTG-----GCA 552

Query Match 8.58; Score 217; DB 4; Length 2601;
 Best Local Similarity 26.48; Pred. No. 3.4e-10;
 Matches 124; Conservative 8; Mismatches 204; Indels 134; Gaps 24;

Qy 20 SANCPVGTETNTAGQVDDLGTPANCVNQCNKFYNNNAAFPVGASITCPBOKKDAQOP 79
 Db 403 TGGCAAGAACCCCTCGAC----TAGCCCTTGGAAAGTCITGATTTGGGACTTCCAAGAAAT 458

Qy 80 NPATANLVTQCNVKC- PAGTATA-----GGATDVAITIE-----CVNCRINFYNN 126
 Db 459 CGACTCACTTACCGTCGGAGTAGACTGTGAGACTCTGGATACTGGATAGACTGTGAGAC----- 510

Qy 127 APNFNAGASTCTACPVNRYGGALTAGNRAATIVAQCNV-----ACPTGTAIDDGVTTDYVRSFT 184
 Db 511 -----ACGTTCTTCCTCAAATGAAAAGAAATCATTCCTCCACTG-----GCA 552

Qy 185 ECVKCRNFYFYNNNGNTPFPNGKSOCTCPAIPKPAVQAOATLGNDATITAOQN-----V 239
 Db 553 ACCACAC-----ATAACTCTTCCTCGTA-----TCGAGGGTGTGAAAGCGGTTAT 600

Qy 20 SANCPVGTETNTAGQVDDLGTPANCVNQCNKFYNNNAAFPVGASITCPBOKKDAQOP 79
 Db 403 TGGCAAGAACCCCTCGAC----TAGCCCTTGGAAAGTCITGATTTGGGACTTCCAAGAAAT 458

Qy 80 NPATANLVTQCNVKC- PAGTATA-----GGATDVAITIE-----CVNCRINFYNN 126
 Db 459 CGACTCACTTACCGTCGGAGTAGACTGTGAGACTCTGGATACTGGATAGACTGTGAGAC----- 510

Qy 127 APNFNAGASTCTACPVNRYGGALTAGNRAATIVAQCNV-----ACPTGTAIDDGVTTDYVRSFT 184
 Db 511 -----ACGTTCTTCCTCAAATGAAAAGAAATCATTCCTCCACTG-----GCA 552

Qy 185 ECVKCRNFYFYNNNGNTPFPNGKSOCTCPAIPKPAVQAOATLGNDATITAOQN-----V 239
 Db 553 ACCACAC-----ATAACTCTTCCTCGTA-----TCGAGGGTGTGAAAGCGGTTAT 600

Qy 240 ACPDGTTISAGVNINWQAQNT- ECTNCAPNFYNNNAPNFPGNSTC----- 283
 Db 601 ACTAGTCAAAAGATTAAACGTTACACTGAA-----CGTGTCAATGGACTGTAGAGC 649

Qy 284 -----LPCPANKDYG- AEATAGGAAT- LAKOQNACPDGTAAISAGTN 324
 Db 650 TGTCCCAATGGACTCTCAACACTGAAATCTGGAAAGCT-ACGGTACAGACG 708

Qy 325 YVILQT---ECLNCAANFYFDGNNQAGSSRC- KACPANKYQAVATAGGTAT- LIAQC 378
 Db 709 AAAGATATCAGACTAT- TGGGGAAAGCCAC-----TGATTTGGAGATAACGGC 761

RESULT 9
 US-09-627-650B-1
 / Sequence 1, Application US/09627650B
 / Patent No. 6466872
 / GENERAL INFORMATION:
 / APPLICANT: Bamber, Bruce
 / APPLICANT: Jorgensen, Erik
 / TITLE OF INVENTION: Nematoe Neuromuscular Junction GABA Receptors and

TITLE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: 21101.000903
 ; CURRENT APPLICATION NUMBER: US/09/627,650B
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIORITY NUMBER: 09/436,063
 ; PRIORITY FILING DATE: 1999-11-08
 ; PRIORITY APPLICATION NUMBER: 60/107,727
 ; PRIORITY FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 1
 ; LENGTH: 1652
 ; TYPE: PRT
 ; ORGANISM: *Caenorhabditis elegans*
 US-09-497-967-7.rai

Query Match 8.5%; Score 215.5; DB 4; Length 1652;
 Best Local Similarity 26.7%; Pred. No. 2; 5e-10;
 Matches 117; Conservative 6; Mismatches 217; Indels 99; Gaps 20;
 Qy 20 SANCPVGETNT---AGQVDDLGTPANCVNQKNEYNNAAAFVPGASTCPCPQKDKA 75
 Db 115 TGGCTGTCATTCACTTATGACTCTCTAGTCTACGTCATCTGTCTAC--ATGT 169
 Qy 76 GAQPNPPATANLYTQCNVKCPAGTAIAGGATDYAAITCVCNRINFYNNAPNPNAGAS 135
 Db 170 GGTTGTGACA-----CAGGATGAGACTCACATCACAC-----TCAAC 210
 Qy 20 SANCPVGETNT---AGQVDDLGTPANCVNQKNEYNNAAAFVPGASTCTCPQKDKA 75
 Db 115 TGGCTGTCATTCACTTATGACTCTCTAGTCTACGTCATCTGTCTAC--ATGT 169
 Qy 76 GAQPNPPATANLYTQCNVKCPAGTAIAGGATDYAAITCVCNRINFYNNAPNPNAGAS 135
 Db 170 GGTTGTGACA-----CAGGATGAGACTCACATCACAC-----TCAAC 210
 Qy 136 TC-----TACPVNRVGGALT-AGNAATTIVQCNVAPNPGKSOCTCPKAIPKANVAQATLGNDATITACQCNVACPD 243
 Db 211 TCCTCTCATCAGTTCTCGATAGACTCACGAATCGCAC-TACTAT---GATAAAGAT 265
 Qy 185 ECVK-CRLNYYNGNNGNTPENPGKSOCTCPKAIPKANVAQATLGNDATITACQCNVACPD 243
 Db 266 ACGGCCCAAGTAGTGTAAAAGCCATGTCGAC-----GTGGAT--TACGATACAC 314
 Qy 244 GTISAGVNNWVAQNTECTNCAPNEYNNAPNPGNSTCLCPKNDYGAETAGAAT 303
 Db 315 GRTTC-----TTCACTATCTGCA-----GTTCA-----GAAGTGTAT 349
 Qy 304 LAKQCNIACPDGTAAAGATNNVILQTECLNAAANFYFDGNNFQASSRCKACPANKVQG 363
 Db 350 GGACTTCAC---ATTAGACTCTCATGCTCAAGCTGGCAAGGCCCTCGACTA---G 402
 Qy 364 AVATAGGTATLIAQCALCPCAGTVLTDG-TTISTYKQAASECVKCIA--NFYTTKQTDWV 419
 Db 403 CCTTCGGAG-----TCTGATTCGGACTTCCANAGAAATGACTCAGTCACCGTC 455
 Qy 420 AGIDTCSCKNLTSGAEA 438
 Db 456 GGAGTAGACTCTGGATA 474

RESULT 11
 US-09-627-650B-11
 ; Sequence 11, Application US/09627650B
 ; Patent No. 640872
 ; GENERAL INFORMATION:
 ; TITLE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: 21101.000903
 ; CURRENT FILING DATE: 2000-07-28
 ; PRIORITY APPLICATION NUMBER: 09/436,063
 ; PRIORITY FILING DATE: 1999-11-08
 ; PRIORITY APPLICATION NUMBER: 60/107,727
 ; NUMBER OF SEQ ID NOS: 50
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 11
 ; LENGTH: 1128
 ; TYPE: PRT
 ; ORGANISM: *Caenorhabditis elegans*
 US-09-627-650B-11

Query Match 8.1%; Score 207; DB 4; Length 1128;
 Best Local Similarity 24.9%; Pred. No. 8.6e-10;
 Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;
 Qy 20 SANC---PVGETNTAQVDDLGTPANCVNQKNEYNNAAAFVPGAST-----65
 Db 158 AAGGCCAATGIGTTCTCG-ATCGTATTCGACGGCC---GAATGGTACAAATGGTGT 212
 Qy 66 -CTPCPKDKDAG--AQNPPTPANLYTQCNVKCPAG-----TAIG 103
 ; SEQ ID NO 1
 ; LENGTH: 1652
 ; TYPE: PRT
 ; ORGANISM: *Caenorhabditis elegans*

Db 213 ACGTGGAAAGGCCGAATTGGTCCGACAGCGGAACTCGAACTGTGCG 272
 Qy 104 GATDVAATTECVNCRINFYNNENAPNFGASTCTAC - PVNRVGG 148
 Db 273 AGTTAAATTCAC-C-----TAAATCTGCCAAAACGGACACTGCCAGCAC 319
 Qy 149 --LTAGNATIVAAQCNYAACPCTGTAALDGGTTDVRSETE-----CVKGRFLNFIYNG 197
 Db 320 TTCACTGGGACACTACTCTGTTACGGGTAGTTCTATTTGATGCCGAA-----G 373
 Qy 198 NNGNTPNPKSQCTCPKAIPNVAQATLGNDAITAQCNVACPDGTISAGVNNWVAQ 257
 Db 374 CGGCCTTCTACTTCTCTAA-----ATATTTTCCCTGCCAGCCCTCGTAG 420
 Qy 258 NTECTNAPFNYNNNAPNFNGNSTC-----LPCPANKDYGAAATAGGAAT----- 303
 Db 421 TTATTAAC-----TTTATCA-----TGGATCTCATCTGGATACATCCGIGA - CMGGCCCTTCG 467
 Qy 304 -LAKOQNIACPDGTAI-ASGATNVIQLOTECLNCAANFYFDGNNFQAGSSRACKPANK 360
 Db 468 CGAACCTTAATGGTAGATGAGTACG-----GAGACTCATC - TT 512
 Qy 361 VQGA-----VATAGTATLIAQCALECPAGTVLTDGTSTYKQAASECVKAANFYT 412
 Db 513 ATGACGGAAACCAATGAGCSTCTCCA-----TGCCCTATGTAAGCGGTGATGT 568
 Qy 421 TTATTCATCA-----TGGATCTCATCTGGATAAATCGTGA - CTGGCCGCTTCG 467
 Db 569 ATTCCMCGGTTCTGCTATCTT 590
 Qy 413 TKQTDWVAGIDICTSCKNKLTS 434
 Db 569 ATTCCCTCGGTTCTGCTATCTT 590
 RESULT 12
 US-09-436-063C-11
 ; Sequence 11, Application US/09436063C
 ; GENERAL INFORMATION:
 ; APPLICANT: Bamber, Bruce
 ; TITLE OF INVENTION: Nematico Neuromuscular Junction GABA Receptors and
 ; TITLE OF INVENTION: Methods Related Thereto
 ; FILE REFERENCE: P-1095CORRECTED
 ; CURRENT APPLICATION NUMBER: US/09436,063C
 ; CURRENT FILING DATE: 1999-11-08
 ; PRIORITY APPLICATION NUMBER: 60/107727
 ; PRIORITY FILING DATE: 1998-11-09
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 11
 ; LENGTH: 1128
 ; TYPE: PRT
 ; ORGANISM: Caenorhabditis elegans
 US-09-436-063C-11
 Query Match 8.1%; Score 207; DB 4; Length 1128;
 Best Local Similarity 24.9%; Pred. No. 8.6e-10;
 Matches 125; Conservative 9; Mismatches 212; Indels 156; Gaps 26;
 Qy 20 SANC --PVSTETNTAGQVQDLPANCYNCVQKQFYNNNAAFYPGAST----- 65
 Db 158 AAGCCCAATGTTCTGAG-ATGGTATTGAGGCC-----GAAATCGAGTACAATGGTGT 212
 Qy 66 -CTPCFOKKDAG - AQPNPPATANLYTQCNVKCPAG-----TATAG 103
 Db 213 ACGTGCAAGGCCGAATTTCGACAGCGGAACTCGAACTGTGCG 272
 Qy 104 GATDVAATTECVNCRINFYNNENAPNFGASTCTAC - PVNRVGG 148
 Db 273 AGTTAAATTCAC-C-----TAAATCTGCCAAAACGGACACTGCCAGCAC 319
 Qy 149 --LTAGNATIVAAQCNYAACPCTGTTACGGTTDVRSETE-----CVKGRFLNFIYNG 197
 Db 320 TTCACTGGGACACTACTCTGTTACGGGTAGTTCTATTTGATCGGGACA-----G 373
 Qy 198 NNGNTPNPKSQCTCPKAIPNVAQATLGNDAITAQCNVACPDGTISAGVNNWVAQ 257
 Db 374 CGGCCTTCTACTTCTCTAA-----ATATTTTCCCTGCCAGCCCTCGTAG 420
 Qy 258 NTECTNAPFNYNNNAPNFNGNSTC-----LPCPANKDYGAAATAGGAAT----- 303
 Db 421 TTATTAAC-----TTTATCA-----TGGATCTCATCTGGATACATCCGIGA - CMGGCCCTTCG 467
 Qy 304 -LAKOQNIACPDGTAI-ASGATNVIQLOTECLNCAANFYFDGNNFQAGSSRACKPANK 360
 Db 468 CGAACCTTAATGGTAGATGAGTACG-----GAGACTCATC - TT 512
 Qy 361 VQGA-----VATAGTATLIAQCALECPAGTVLTDGTSTYKQAASECVKAANFYT 412
 Db 513 ATGACGGAAACCAATGAGCSTCTCCA-----TGCCCTATGTAAGCGGTGATGT 568
 Qy 413 TKQTDWVAGIDICTSCKNKLTS 434
 Db 569 ATTCCMCGGTTCTGCTATCTT 590
 RESULT 13
 US-09-436-063C-11
 ; Sequence 3, Application US/08977767
 ; Patent No. 5972684
 ; GENERAL INFORMATION:
 ; APPLICANT: Bandman, Olga
 ; APPLICANT: Yue, Henry
 ; APPLICANT: Greenwald, Sara
 ; APPLICANT: Corley, Neil C.
 ; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII
 ; NUMBER OF SEQUENCES: 3
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ for Windows Version 2.0
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/977,767
 ; FILING DATE: Herewith
 ; CLASSIFICATION: 424
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PF-0423 US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-855-0555
 ; TELEFAX: 650-845-4166
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 1345 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; IMMEDIATE SOURCE:
 ; LIBRARY: GenBank
 ; CLONE: 1532042
 US-09-436-063C-11
 Query Match 7.9%; Score 200.5; DB 2;
 Best Local Similarity 25.8%; Pred. No. 4e-09;
 Matches 111; Conservative 5; Mismatches 212; Indels 103; Gaps 17;

QY	21	ANCPVGETTNTAQVQDDLG-TPANCVNQCNKFYNNAAAFVPGAS---TCTCPQPKKDAG 76	137	CTACPVNRVGGALTAGNATIVACQINVACPTGTALDDGVTTDVRSEFECVKCRNFYNN 196
Db	649	AGCACGGAGGACTGGCTCTGNAACACCATCAACCATCAGGGTTCTGCTGAGTGT 708	1811	C-----AGGATAGTGAAGTTCATC-ATCAGAAATGGTGT-TCTTGCA----- 1851
QY	77	AQNPPATANLVTCNQYRCAG-----TAIAGGATDYAAIITECVNCRNFYNNENAPNFN 131	197	GNNGNTPNPQGSQTCPKAIPKANVAQ-A-TLGNDAATT-----AOCNVACPDGTISAA 249
Db	709	CAACTCATCACTTCAACCAAAGAACCTATGGAACTCTGCGCCA-----CC 759	1852	GAAGATGTTGTTCAAAAGGTGCAATCATGGACATGGTGGGGTGTGTGCAATA 1911
QY	132	AGASTCTCPVNVRGGALTAGNATIVACPTGTALDDGVTTDVRSEFECVKC 189	250	GVNNWVAQNTCTNCAPMFYNNNAPNENPGNSTCLPCP-----ANQDGAETA 298
Db	760	AGGGCCCCAA-TGGCCGGGCAATTCTAGCCTTGTCAATGT----- 803	1912	GCGCAGTGTATCICA-----TCACCTGGTGTATGCTGAAGAARACA 1955
QY	190	RLNFYNNNGNNTPENPKSQTCPKAIPKANVAQATLGNDAITIAQCNVACPDGTISAA 249	299	GGATLAFQCNIACT-----PDGTATASGATNIVVLTQTECLINCAAN----- 338
Db	804	-GCTG-----GTAAGCT-CAAAACCGCTTCCCTCAGAGCCCTCTTAACCGCTGACA 850	1956	GTACACATCCATCATCATGGTGTGGTGGAGGTG-----ACGCCGCTGACCCAGAGG 2011
QY	250	GVNNWVAQNTCTNCAPMFYNNNAPNENPGNSTCLPCPANKDYGAEATAGGAATLAKQCN 309	339	-----FVFDGNNFQAGSSRCKAPNKRQGAVATAGSTTLLIAQCALECPAGTVLTDGT 392
Db	851	C-----CATCA-----CCGCATCTCC-----TATAAGATGATGTC 882	2012	AGGGCRCRCTGTGCAAGTGCAGCAGAACGGCTACGAAATCCACCTACAGSTCT-T 2069
QY	310	IACPDGTIAASGATNNVILQTBCLNCAANFYFDGNNFQAGSSRCKAPNKV-----QGAV 365	393	TSTYKQAASECYVKCA 407
Db	883	TAC-----TTTCTCTCAAGACCTGAGCTGGACTCTGTGCCCGAGTC 926	2070	TGAGCAGTGCAGAA 2084
RESULT 15				
QY	366	ATAGGTATLIAQCALECPAGTVLTDGTTSTYKQAASECYVKCAANFYTTKQTDWVAGIDTC 425	US-09-548-367D-13	
Db	927	CTTGGCTTCATCA--CCTATCAGGGCTCTCAGCACCCAC--CCTGGCT-CGGAGAC 980	Sequence 13, Application US/09548367D	
QY	426	TSCNKKLTSGA 4.36	Patent No. 6440598	
Db	981	TGTTACCTGGA 991	GENERAL INFORMATION:	
RESULT 14				APPLICANT: GURNEY ET AL.
QY	US-09-548-372D-13	Sequence 13, Application US/09548372D	TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREOF	
Db	927	Patent No. 6420534	FILE REFERENCE: 29915/6200H	
QY	927	GENERAL INFORMATION:	CURRENT FILING DATE: 2000-04-12	
Db	927	APPLICANT: GURNEY ET AL.	PRIOR APPLICATION NUMBER: US 09/548,367D	
QY	426	TITLE OF INVENTION: ALZHEIMER'S DISEASE SECRETASE, APP SUBSTRATES THEREFOR AND USES	PRIOR FILING DATE: 1999-09-23	
Db	981	TITLE OF INVENTION: THEREOF	PRIOR APPLICATION NUMBER: PCT/US99/20881	
FILE REFERENCE: 29915/6280I			PRIOR FILING DATE: 1999-09-23	
QY	927	CURRENT APPLICATION NUMBER: US/09/548,372D	PRIOR APPLICATION NUMBER: US 60/101,594	
Db	927	CURRENT FILING DATE: 2000-04-12	PRIOR FILING DATE: 1998-09-24	
QY	426	PRIOR APPLICATION NUMBER: US 60/155,493	NUMBER OF SEQ ID NOS: 73	
Db	927	PRIOR FILING DATE: 1999-09-23	SOFTWARE: PatentIn version 3.1	
QY	927	PRIOR APPLICATION NUMBER: US 09/404,133	SEQ ID NO: 13	
Db	927	PRIOR FILING DATE: 1999-09-23	LENGTH: 2088	
QY	927	PRIOR APPLICATION NUMBER: PCT/US99/20881	TYPE: PCT	
Db	927	PRIOR FILING DATE: 1999-09-23	ORGANISM: Homo sapiens	
QY	927	PRIOR APPLICATION NUMBER: US 60/101,594	US-09-548-367D-13	
Db	927	PRIOR FILING DATE: 1998-09-24	Query Match Score 199.5; DB 4; Length 2088;	
QY	927	NUMBER OF SEQ ID NOS: 73	Best Local Similarity 25.1%; Pred. No. 8.9e-09; Mismatches 18; Indels 135; Gaps 20;	
Db	927	SOFTWARE: PatentIn version 3.1	Best Local Similarity 25.1%; Pred. No. 8.9e-09; Mismatches 109; Indels 135; Gaps 10;	
QY	927	LENGTH: 2088	Query Match Score 199.5; DB 4; Length 2088;	
Db	927	TYPE: PCT	Best Local Similarity 25.1%; Pred. No. 8.9e-09; Mismatches 109; Indels 135; Gaps 109;	
QY	927	ORGANISM: Homo sapiens	Query Match Score 199.5; DB 4; Length 2088;	
Db	927	US-09-548-372D-13	Query Match Score 199.5; DB 4; Length 2088;	
Query Match				Best Local Similarity 25.1%; Pred. No. 8.9e-09; Mismatches 109; Indels 135; Gaps 109;
QY	81	PPATANLVTCNQVDDLGTPANCVNCKNFTYNNAAAFVPGASCTT----- 1771	1772	-----TCTCTGAGTGAAGATGATGCGAATTCGGCA-----TGACT 1810
Db	1735	CCAGGTTCTGG-----GTTGAC-----AA-----TATCAAGACGGAGGA----- 1851	1811	C-----AGGATATGAGTTCATC-ATCAGAAATGGTGT-TCTTGCA----- 1851
QY	81	PPATANLVTCNQVCKPAGTIA-----GGATDYAAITECVNCRNFYNNENAPNFGNAST 136	1852	GNNGNTPNPQGSQTCPKAIPKANVAQ-A-TLGNDAATT-----AOCNVACPDGTISAA 249
Db	1772	-----TCTCTGAGTGAAGATGATGCGAATTCGGCA-----TGACT 1810	1853	GAAGANGTGGTTCAAAACAAAGGTGCAAGATCTGGACTCAAGTGGGGFTGTCATA 1911
QY	250	GVNNWVAQNTCTNCAPMFYNNNAPNFGNSTCLPCP-----ANQDGAETA 298	250	GVNNWVAQNTCTNCAPMFYNNNAPNFGNSTCLPCP-----ANQDGAETA 298

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Job time : 21:8857 secs